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PLAGUE-PREVENTION WORK.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following reports of plague-eradication work at New Orleans were received from Surg. Creel, of the United States Public Health Service, in charge of the work:

WEEK ENDED DEC. 4, 1915.

OUTGOING QUARANTINE.		LABORATORY OPERATIONS.	
Vessels fumigated with sulphur.....	10	Rodents received by species:	
Vessels fumigated with carbon monoxide...	13	Mus rattus.....	156
Vessels fumigated with cyanide gas.....	2	Mus norvegicus.....	943
Sulphur used (pounds).....	2,089	Mus alexandrinus.....	176
Coke consumed in carbon-monoxide fumiga- tion (pounds).....	21,100	Mus musculus.....	7,886
Cyanide used in cyanide-gas fumiga- tion (pounds).....	71	Wood rats.....	211
Sulphuric acid used in cyanide-gas fumiga- tion (pints).....	117	Musk rats.....	99
Clean bills of health issued.....	30	Putrid (included in enumeration of species).....	70
Foul bills of health issued.....	2	Total rodents received at laboratory.....	9,471
		Rodents examined.....	2,051
		Suspicious rats.....	14
		Plague rats confirmed.....	1
FIELD OPERATIONS.		PLAGUE RATS.	
Rats trapped.....	9,806	Case number 268:	
Premises inspected.....	6,987	Address, Jordan Avenue and Derbigny Street.	
Notices served.....	709	Captured, Nov. 19, 1915.	
Garbage cans installed.....	24	Diagnosis confirmed, Nov. 30, 1915.	
		Treatment of premises, intensive trapping.	
		Destruction of rodent harborage.	
		Last case of human plague, Sept. 8, 1915.	
		Last case of rodent plague, Nov. 30, 1915.	
		Total number of rodents captured to Dec. 4.	525,314
		Total number of rodents examined to Dec. 4.	305,867
BUILDINGS RAT PROOFED.		Total cases of rodent plague to Dec. 4, by species:	
By elevation.....	106	Mus musculus.....	5
By marginal concrete wall.....	127	Mus rattus.....	18
By concrete floor and wall.....	89	Mus alexandrinus.....	9
By minor repairs.....	241	Mus norvegicus.....	236
Total buildings rat proofed.....	563	Total rodent cases to Dec. 4, 1915....	268
Concrete laid (square yards).....	9,347		
Lots and sheds, planking removed.....	64		
Buildings demolished.....	24		
Total buildings rat proofed to date (abated).	95,933		

WEEK ENDED DEC. 11, 1915.

OUTGOING QUARANTINE.		BUILDINGS RAT PROOFED.	
Vessels fumigated with sulphur.....	6	By elevation.....	128
Vessels fumigated with carbon monoxide...	12	By marginal concrete wall.....	95
Vessels fumigated with cyanide gas.....	3	By concrete floor and wall.....	104
Sulphur used (pounds).....	1,135	By minor repairs.....	247
Coke consumed in carbon-monoxide fumiga- tion (pounds).....	17,100	Total buildings rat proofed.....	574
Cyanide used in cyanide-gas fumigation. (pounds).....	69	Concrete laid (square yards).....	9,770
Sulphuric acid used in cyanide-gas fumiga- tion (pints).....	104	Lots and sheds, planking removed.....	76
Clean bills of health issued.....	28	Buildings demolished.....	29
Foul bills of health issued.....	5	Total buildings rat proofed to date (abated).	96,507
FIELD OPERATIONS.		LABORATORY OPERATIONS.	
Rats trapped.....	9,360	Rodents received by species:	
Premises inspected.....	7,199	Mus rattus.....	178
Notices served.....	788	Mus norvegicus.....	1,055
Garbage cans installed.....	76	Mus alexandrinus.....	242
		Mus musculus.....	8,023
		Wood rats.....	224

LABORATORY OPERATIONS—Continued:

Rodents received by species—Continued:	
Musk rats.....	114
Putrid (included in enumeration of species).....	91
Total rodents received at laboratory.....	9,836
Rodents examined.....	2,224
Suspicious rats.....	59
Plague rats confirmed.....	2

PLAGUE RATS.

Case No. 269:	
Address, 906 Alix Street.	
Captured, Nov. 23, 1915.	
Diagnosis confirmed, Dec. 9, 1915.	
Treatment of premises, intensive trapping; rat proofing initiated.	
Case No. 270:	
Address, Elmira Street.	
Captured, Nov. 24, 1915.	

PLAGUE RATS—continued.

Case No. 270—Continued.	
Diagnosis confirmed, Dec. 11, 1915.	
Treatment of premises, intensive trapping rat proofing initiated.	
Last case of human plague, Sept. 8, 1915.	
Last case of rodent plague, Dec. 11, 1915.	
Total number of rodents captured to Dec. 11.....	534,674
Total number of rodents examined to Dec. 11.....	308,091
Total cases of rodent plague to Dec. 11, by species:	
Mus musculus.....	5
Mus rattus.....	18
Mus alexandrinus.....	9
Mus norvegicus.....	238
Total rodent cases to Dec. 11, 1915...	270

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED NOV. 27, 1915.

Total number of rats and mongoose taken.....	364	Classification of rats killed by sulphur dioxide:	
Rats trapped.....	282	Mus musculus.....	2
Mongoose trapped.....	6	Mus rattus.....	50
Rats shot from trees.....	24	Average number of traps set daily.....	984
Rats killed by sulphur dioxide.....	52	Cost per rat destroyed.....	24½ cents.
Examined microscopically.....	308	Last case rat plague, Aiea, 9 miles from Honolulu,	
Showing plague infection.....	None.	Apr. 12, 1910.	
Classification of rats trapped:		Last case human plague, Honolulu, July 12, 1910.	
Mus alexandrinus.....	119	Last case rat plague, Kukaiaua stable, Hawaii,	
Mus musculus.....	86	Nov. 25, 1915.	
Mus norvegicus.....	64	Last case human plague, Kainehe, Kukaiaua,	
Mus rattus.....	13	Hawaii, Nov. 16, 1915.	
Classification of rats shot from trees:			
Mus alexandrinus.....	17		
Mus rattus.....	7		

Hilo.

WEEK ENDED NOV. 13, 1915.¹

Rats and mongoose taken.....	1,294	Rats and mongoose plague infected.....	None.
Rats trapped.....	1,284	Classification of rats trapped and found dead:	
Rats found dead.....	2	Mus norvegicus.....	303
Mongoose taken.....	8	Mus alexandrinus.....	141
Rats and mongoose examined macroscopically.....	1,294	Mus rattus.....	273
		Mus musculus.....	564

WEEK ENDED NOV. 20, 1915.

Rats and mongoose taken.....	2,379	Rats and mongoose plague infected.....	1
Rats trapped.....	2,335	Classification of rats trapped and found dead:	
Rats found dead.....	3	Mus norvegicus.....	463
Mongoose taken.....	41	Mus alexandrinus.....	232
Rats and mongoose examined macroscopically.....	2,379	Mus rattus.....	671
Rats and mongoose examined microscopically.....	5	Mus musculus.....	967
Rats and mongoose examined bacteriologically.....	1		

WEEK ENDED NOV. 27, 1915.

Rats and mongoose taken.....	3,492	Classification of rats trapped and found dead:	
Rats trapped.....	3,418	Mus norvegicus.....	578
Rats found dead.....	1	Mus alexandrinus.....	342
Mongoose taken.....	73	Mus rattus.....	1,001
Rats and mongoose examined macroscopically.....	3,492	Mus musculus.....	1,498
Rats and mongoose examined microscopically.....	7	Last case of rat plague, Kukaiau stables, Kukaiau, Nov. 25, 1915.	
Rats and mongoose examined bacteriologically.....	3	Last case of human plague, Kainehe, Kukaiau village, Nov. 16, 1915.	
Rats and mongoose plague infected.....	3		

PORTO RICO—PLAGUE PREVENTION.

The following table shows the number of rats and mice examined in Porto Rico for plague infection during the two weeks ended December 3, 1915. No plague infection was found.

Place.	Rats.	Mice.
San Juan.....	135	13
Puerta de Tierra.....	137	10
Santurce.....	120	10

¹ Corrected report for week ended Nov. 13, 1915, Public Health Reports, Dec. 17, 1915, p. 3691.